IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Steven McCanne et al.

Application No.: Not assigned

Filed: Herewith

For: SYSTEM FOR MULTIPOINT
INFRASTRUCTURE TRANSPORT IN A
COMPUTER NETWORK

Examiner: Unassigned

Art Unit: Unassigned

INFORMATION DISCLOSURE
STATEMENT UNDER 37 CFR §1.97 and
§1.98

Mail Stop Patent Application
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Sir:

The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. In accordance with 37 CFR §1.98(d), copies of the references can be found in Application No. 09/412,815, filed October 5, 1999 (Attorney Docket No. 019599-000310US). It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that <u>no fee is required</u> for submission of this statement. However, if a fee is required, the Commissioner is authorized to deduct such fee from the

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undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit

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Respectfully submitted,

7/ 9/ 02
_____
Date

Philip H. Albert
Reg. No. 35,819

TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, 8th Floor
San Francisco, California 94111-3834
Tel: 415-576-0200
Fax: 415-576-0300
PHA:jtc
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PTO/SB/08A (10-01)
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT *(use as many sheets as necessary)*	Application Number	Not assigned
	Filing Date	Herewith
	First Named Inventor	McCanne, Steven, et. al.
	Art Unit	Unassigned
	Examiner Name	Unassigned
Sheet 1 of 3	Attorney Docket Number	019599-000320US

U.S. PATENT DOCUMENTS

Examiner	Cite No.[1]	Document Number — Number Kind Code[2] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	US-5,831,975	11-1998	Chen et al.	
	AB	US-5,903,559	05-1999	Acharya et al.	
	AC	US-5,946,316	01-1997	Chen et al.	
	AD	US-4,807,224	02-1989	Naron et al.	
	AE	US-5,634,011	05-27-1997	Auerbach et al.	
	AF	US-5,331,637	07-19-1994	Francis et al.	
	AG	US-6,003,030	12-14-1999	Kenner, B. et al.	
	AH	US-6,052,718	04-18-2000	Gifford, David K.	
	AI	US-6,112,239	08-29-2000	Kenner, B. et al.	
	AJ	US-5,956,716	09-21-1999	Kenner et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document — Country Code[3]	Number[4]	Kind Code[5] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]
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Examiner Signature		Date Considered	

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[1] **Applicant's** unique citation designation number **(optional).** [2] Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. [3] Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). [4] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [5] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. [6] Applicant is to place a check mark here if English language Translation is attached.

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FORM PTO-1449 (Modified)			Attorney Docket No.: 019599-000320US			Application No.: Not assigned
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)			Applicant: Steven McCanne et al.			
			Filing Date: Herewith		Group: Unassigned	

Reference Designation	**U.S. PATENT DOCUMENTS**					Page 1
Examiner Initial	Document No.	Date	Name	Class	Sub-class	Filing Date (If Appropriate)

	FOREIGN PATENT DOCUMENTS					
	Document No.	Date	Country	Class	Sub-class	Translation (Yes/No)

	OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)
___ BA	Deering, S. and Cheriton, D., "Multicast Routing in Datagram Internetworks and Extended LANs," *ACM Transactions on Computer Systems*, Vol. 8, no. 2, May 1990, pp. 85-110.
___ BB	Maffeis, S., Bischofberger, W.R., and Mätzel, K. -U., "GTS: A Generic Multicast Transport Service," *UBILAB Technical Report*, 94.6.1, 1994, pp. 1-7.
___ BC	Bormann, C., Ott, J., Gehrcke, H.C., Kerschat, T., and Seifert, N., "Mtp-2: Towards achieving the S.E.R.O. Properties for Multicast Transport," International Conference on Computer Communications Networks, (San Francisco, California), Sept. 1994.
___ BD	Parsa, M., and Garcia-Luna-Aceves, J., "Scalable Internet Multicast Routing," Proceedings of ICCCN 95, (Las Vegas, Nevada), Sept. 1995.
___ BE	Thyagarajan, A.S., and Deering, S.E., "Hierarchical Distance-Vector Multicast Routing for the MBone, Sigcomm '95, (Cambridge, Massachusetts), August 1995.
___ BF	Yavatkar, R., Griffioen, J. and Sudan, M., "A Reliable Dissemination Protocol for Interactive Collaborative Applications, " ACM Multimedia 1995 (San Francisco, California) November 1995.
___ BG	Amir, E., McCanne, S., and Zhang, H., "An Application Level Video Gateway." ACM Multimedia 1995 (San Francisco, California) November 1995.
___ BH	Lin, J.C., and Paul, S., "Rmtp: A Reliable Multicast Transport Protocol," IEEE INFOCOM '96, pages 1414-1424.
___ BI	Deering, S., Estrin, D., Farinacci, D., Jacobson, V., Liu, C., and Wei, L., "The PIM Architecture for Wide-Area Multicast Routing," *IEEE/ACM Transactions on Networking*, Vol. 4, No. 2, April 1996, pp. 153-162.
___ BJ	Atwood, J.W., Catrina, O., Fenton, J., and Strayer, W. Timothy, "Reliable Multicasting in the Xpress Transport Protocol," Proceedings of the 21st Local Computer Networks Conference (Minneapolis, Minnesota) October 13-16, 1996.
___ BK	Perkins, C., and Crowcroft, J., "Real-Time Audio and Video Transmission of IEEE GLOBECOM '96 Over the Internet, *IEEE Communications Magazine*, Vol. 35, April 1997, pp. 30-33.
___ BL	Sharma, P, Estrin, D., Floyd, S. and Jacobson, V., "Scalable Timers for Soft State Protocols," Proceedings IEEE Infocom '97 (Kobe, Japan) April 1997.
___ BM	Mittra, S., "Iolus: A Framework for Scalable Secure Multicasting," *ACM Computer Communication Review*, Vol. 27, October 1997, pp. 277-288.
___ BN	Hodel, H., "Policy Tree Multicast Routing: An Extension to Sparse Mode Source Tree Delivery," ACM Computer Communication Review, Vol. 28, No. 2 April 1998, pp. 78-97.
___ BO	Kumar, S., Radoslavov, P, Thaler, D., Alaettinoglu, C., Estrin, D., and Handley, M., "The MASC/BGMPL Architecture for Inter-Domain Multicast Routing," SIGCOMM '98 (Vancouver, Canada) September 1998.
___ BP	Decasper, D., Dittia, Z., Parulkar, G., Plattner, B. "Router Plugins: A Software Architecture for Next Generation Routers," ACM SIGCOMM '98 (Vancouver, Canada) September 1998.
___ BQ	Handley, M., Crowcroft, J., Bormann, C., Ott, J., "Very Large Conferences on the Internet: The Internet Multimedia Conferencing Architecture," Computer Networks, Vol. 31, No. 3, 1999 pp. 191-204.
___ BR	Holbrook, H. and Cheriton, D.R., "IP Multicast Channels: EXPRESS Support for Large-Scale Single-Source Applications," Computer Communication Review, Vol. 29, No. 4, October 1999.
___ BS	Farinacci, D., Lin, A., Speakman, T., and Tweedly, A., "Pretty Good Multicast (PGM) Transport Protocol Specification," Internet Draft, Internet Engineering Task Force, January 1998.

___ BT	Farinacci, D., Wei, L., and Meylor, J., "Use of Anycast Clusters for Inter-Domain Multicast Routing," Internet Draft, Internet Engineering Task Force, March 1998.
___ BU	Robertson, K., Miller, K., White, M., and Tweedly, A., "StarBurst Multicast File Transfer Protocol (MFTP) Specification," Internet Draft, Internet Engineering Task Force, April 1998.
___ BV	Bannerjea, A. Faloutsos, M., and Pankaj, R., "Designing QoSMIC: A Quality of Service Sensitive Multicast Internet Protocol," Internet Draft, Internet Engineering Task Force, May 1998.
___ BW	Thaler, D., Estrin, D., Meyer, D., "Border Gateway Multicast Protocol (BGMP): Protocol Specification," Internet Draft, November 1998.
___ BX	Casey, L., Cunningham, I., and Eros, R., "IP VPN Realization Using MPLS Tunnels," Internet Engineering Task Force, November 1998.
___ BY	Finlayson, R., "A More Loss-Tolerant RTP Payload Format for MP3 Audio," Internet Draft, January 1999.
___ BZ	Finlayson, R. "IP Multicast and Firewalls," Internet Draft, May 1999.
___ CA	Blazevic, L. and Le Boudec, J., "Distributed Core Multicast (DCM): A Routing Protocol for Many Small Groups with Application to Mobile IP Telephony," Internet Engineering Task Force, June 1999.
___ CB	Hampton, D., Oran, D., Salama, H., and Shad, D., "The IP Telephony Border Gateway Protocol (TBGP), Internet Engineering Task Force, June 1999.
___ CC	Finlayson, R. "The UDP Multicast Tunneling Protocol," Internet Draft, July 1999.
___ CD	Malis, A., Heinanen, J., Armitage, G., Gleeson, B., "A Framework for IP Based Virtual Private Networks Internet Draft," August 1999.
___ CE	Waitzman, D., Partridge, C., Deering, S. E., "Distance Vector Multicast Routing Protocol," Request For Comments RFC 1075, November 1988.
___ CF	Hanks, S., Li, T., Farinacci, D., and Traina, P., "Generic Routing Encapsulation," Request for Comments RFC 1701, October 1994.
___ CG	Farinacci, D., Hanks, S., Li, T., and Traina, P., "Generic Routing Encapsulation Over IPv4 Networks," Request For Comments RFC 1702, November 1994.
___ CH	Schulzrinne, H., Casner, S., Frederick, R., Jacobson, V., "RTP" A Transport Protocol for Real-Time Applications," Request for Comments RFC 1889, January 1996.
___ CI	Fenner, W., "Internet Group Management Protocol," Version 2, RFC 2236, November 1997.
___ CJ	Ballardie, A., "Core Based Trees (CBT) Multicast Routing Architecture," Request for Comments, RFC 2201, September 1997.
___ CK	Estrin, D., Farinacci, D., Helmy, A., Thaler, D., Deering, S., Handley, M., Jacobson, V., Liu, C., Sharma, P, and Wei, L., "Protocol Independent Multicast-Sparse Mode (PIM-SM)," Request for Comments, RFC 2362, June 1998.
___ CL	Arango, M., Dugan, A., Elliott, I, Huitema, C., and Pickett, S., "Media Gateway Control Protocol (MGCP) Version 1.0," RFC 2705, October 1999.
EXAMINER	DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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